

**ASCE – INDOT STRUCTURAL COMMITTEE
MEETING NO. 71 MINUTES**

March 17, 2016 9:00 am, INDOT Room N642

The meeting was called to order at 9:00 a.m. by Mike McCool. Those in attendance were:

Anne Rearick	INDOT, Bridge Division
Mike McCool	Beam Longest & Neff, LLC
Seth Schickel	HNTB Corp.
Kurt Heidenreich	Engineering Resources, Inc.
Pete White	INDOT, Greenfield Dist.
Michael Eichenauer	Butler, Fairman and Seufert, Inc.
Ben Borcharding	American Structurepoint, Inc.
Jason Yeager	E&B Paving, Inc.
Matt Shergalis	National Steel Bridge Alliance
Mahmoud Hailat	INDOT, Bridge Division
Naveed Burki	INDOT, Bridge Division
Troy Jessop	CHA, Inc.

In addition to the attendees, these minutes will be sent to the following:

Jeremy Hunter	INDOT, Bridge Division
Elizabeth Phillips	INDOT, Bridge Division
Stephanie Wagner	INDOT, Bridge Division
Mike Wenning	GAI Consultants, Inc.
Mike Halterman	USI Consultants, Inc.
Greg Pankow	INDOT, Construction Management
Burleigh Law	HNTB Corp.
Tony Zander	INDOT, Highway Management Division
Jim Reilman	INDOT, Construction Management
Keith Hoernschmeyer	Federal Highway Administration

1. Review and approve Meeting 67 and 70 minutes.
 - Pending
2. Bridge Design Conference Update (McCool)
 - Mike McCool reviewed evaluation results. Results were favorable for the topics and speakers.
3. Prestressed Beam Camber (Heidenreich, McCool, Hailat, Halterman)
 - Mr. Heidenreich to send proposed verbiage to committee for review and possible inclusion into INDOT Sample Beam Detail Cadd Drawings.
4. Asymmetrical Barriers (White, Wenning, Law)

- Mr. White working on calculations and making progress. Calculations involve steps for “during construction” (i.e. phasing) and “final end condition”.
 - Mr. White to send out calculations to select committee members for review after complete.
5. Continuity of Prestress Concrete Beams (Heidenreich, McCool, Hailat, Hunter, Phillips)
- Mr. Heidenreich contacted Merrill D. to see if deck cracking over the pier is an on-going issue. He said yes, but degree unknown.
 - It was stated by Mr. Heidenreich that 25% of DOT’s have details that pour the diaphragm prior to the deck.
 - It was decided to propose this topic as a possible “research” project thru INDOT/FHWA. Mr. Heidenreich to draft “research need statement” and send to Ms. Rearick.
 - Mr. Heidenreich to also gather information used for other DOT’s.
6. Law Email (Phillips)
- tabled
7. NEXT Beams (McCool, Heidenreich, Borcherding, Jessop)
- Mr. McCool to continue conversations with Prestress Services about these beams.
 - It was stated that Prestress Services is looking at their own options for similar beams.
8. Expansion Joints Options (Hunter, White, Wagner, Eichenauer)
- Tabled (Mr. Hunter out sick)
9. Deck Pan Details (McCool, Heidenreich, Borcherding)
- Mr. Borcherding to contact manufacturer of SIP forms and request input regarding McCoy study and INDOT details.
10. General Notes Sheet (McCool, Schickel, Phillips, Wenning)
- Mr. Law provided comments. Mr. McCool to compile comments and re-send to the committee for further review.
11. Hydro-demolition (Wagner, Wenning, Heidenreich, Yeager)
- Tabled. (Mrs. Wagner on vacation)
12. Life-Cycle Costs (Hunter)
- Tabled

13. Concrete Patching (Wagner, Nelson, Eichenauer, Hailat, Schickel)
 - Mr. Schickel gave an update. USP being developed for 2016 projects. RSP proposed for 2017. Standard Specifications to include updates in 2018.
 - Proposed changes include adding pre-packaged products, as well as separate pay items for horizontal, vertical and overhead applications.
 - Mr. White mentioned he would like to also incorporate patching for “nosing for expansion joints”.
14. Link Slab Design and Details (Hunter, McCool, Wenning, Schickel)
 - tabled
15. Approach Slabs (Hailat, Law, Heidenreich)
 - Mr. Hailat presented handouts of analysis. Committee members to review analysis and report back at future meetings.
 - Mr. Hailat to contact Illinois Department of Transportation since committee members appear to like their details best.
 - Committee members to look for projects that INDOT can implement design/details on. Project list to be sent to Mr. Hailat.
16. High Early Strength Concrete (Hailat, Nelson)
 - Mr. Hailat distributed compiled information for committee members to review.
 - Question was asked if 502 spec can be used for RCBA's (on rehabs with RCBA replacement)?????
17. Research Needs and Innovative Ideas (Rearick)
 - Possible topics mentioned include: Prestressed Beam Continuity, Concrete Form Removal Timeline, Link Slabs
 - Group to send additional ideas to Ms. Rearick
18. Committee Roster Updates (Rearick)
 - Ms. Rearick held a vote to extend the position of “Chair” to Mr. McCool for another term. The committee voted unanimously in favor of Mr. McCool serving another term as “Chair” of the committee.
19. New Business
 - Include Galvanic Anodes research with the Patching Topic in (13).
 - Fiberwrap
 - Group to discuss policy for leaving in Cross-overs.
 - Investigate more rapid-set overlays to minimize cost of MOT. (Include in recurring business overlay type topic below)
20. Recurring Business
 - Software Practice Pointer Updates (McCool, Phillips)

Standards Committee Updates (Phillips)
Overlay Types (Hunter, White)

Parking Lot

Concrete mix designs
Long term deflections in prestressed beams
WWF in prestressed beams
Special provision for high strength concrete
Mild reinforcement in prestressed beams (particularly 401 bars)
Post Tensioning Specs
Terminal Joint Details
Alternate Structure Types

The next meeting for the INDOT Structural Committee is scheduled for 9:00 a.m. on July 7, 2016, in room N642. Mike McCool will distribute an agenda prior to the meeting. This meeting was adjourned at 12:00 p.m.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Ben Borcharding".

Ben Borcharding, PE

American Structurepoint, Inc